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इंटरनेट

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मानक

IS 9094-1 (1979): Drill Chuck Taper Arbors, Part I: Having Taper Shanks [PGD 2: Machine Tool Elements and Holding Devices]



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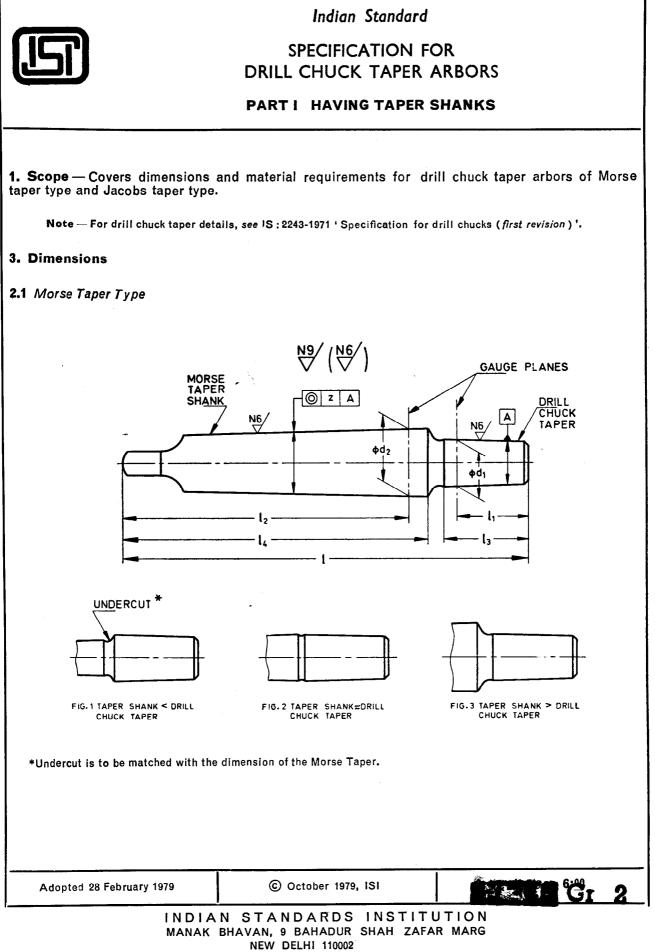


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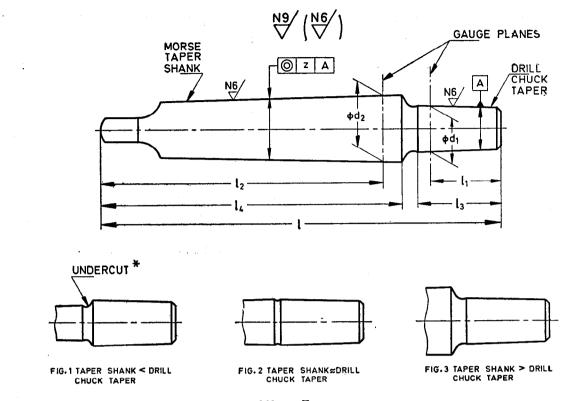


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Designa- tion of Drill Chuck Taper	Taper Shank Morse Taper*	d1 k9	d2	/ Approx	<i>l</i> 1	I ₂	<i>I</i> ₃	I ₄	Z	Form According to Fig.
	0	10.094	9.045	79	14.5	56.2		59.5	0.02	1
B10	1		12.065	86		62	18	65.2		3
	2		17.780	105		75	-	80		
B12	0	12.065	9.045	84	18.5	56.2	-	59.5	0.05	1
	1		12 065	89		62	22	65 [.] 5		2
	2		17.780	106		75		80		3
B16	1	15-733	12.062	99	24	62	- -	65.2		1
	2		17.780	112		75	29	80	0.05	3
	3		23.825	134		94	-	99	0.03	
B18	1	17.780	12.065	107	32	62	- -	65.2	0.05	1
	2		17.780	119		75	37	80		2
	3		23.825	140		94	-	99	0.03	3
B22	2	21.793	17.780	130	40.2	75	- -	80	0.03	1
	3		23.825	147		94	45.5	99		3
	4		31.267	176		117.5	-	124		
B24	3	23.825	23.825	157	50.2	94		99	0·03 0·04	2
	4		31.267	186		117.5	55.2	124		3
	5		44·399	221		149.5	-	156		

All dimensions in millimetres.

2.2 Jacobs Taper Type



*Undercut is to be matched with the dimension of Morse Taper.

All dimensions in millimetres.

Drill Chuck Taper Jacob Taper No.	Taper Shank Morse Taper†	dı k9	d2		<i>I</i> 1	12	<i>I</i> 3	14	Z	Form According to Fig.
	0	6·350	9.045	77	11.11	56.2		59.5	0.012	
0	1		12.065	84		62	14.5	65.2		3
	2		17.780	102		75		80		
1		9.754	9.045	82	16 [.] 67	56.2	_	59-5	0.02	1
	1		12.065	89		62	20	65·5		3
	2		17.780	106		75		80		
2 short	0	13.940	9.045	85	19.05	56.2		59.5	0.05	1
	1		12.065	89		62	22.5	65.2		
	2		17.780	106		75		80		3
2	1	14.199	12.065	95	22.22	62		65.2	0.05	1
	2		17.780	112		75	27	80		
	3		23.825	133		94		99	0.03	3
33	1	15.850	12.065	98	25.40	62		65.2	0.02	1
	2		17.780	112		75	29.5	80	0.02	
	3		23.825	133		94		99	0.03	3
6	1	17.170	12.065	98	25.40	62		65.5	0.02	1
	2		17.780	112		75	29.5	80		
	3		23.825	133		94		99	0.03	3
3	2	20.299	17.780	117	30.96	75		80	0.03	1
	3		23.825	138		94	36	99		3
	4		31.267	167		117.5	-	124		
(4)*	3	28·550	23.825	149	42·07	94	_ [[99	0.03	1
	4		31.267	174		117.5	47	124		3
	5		44.399	215		149.5		156	0.04	
(5)*	4	05.000	31.267	180	47.62	117.5	52.5	124	0.04	1
	5	35.890	44.399	215		149.5	02.0	156		3

*Sizes shown within brackets should be avoided wherever possible.

†Morse Taper according to IS: 1715-1973.

EXPLANATORY NOTE

Subsequent to the publishing of IS: 2243-1971, it has been observed that complete requirements of taper shanks for drill chucks are not covered in this standard. In order to cover these constructional dimensions, this standard has been prepared for which assistance has been drawn from DIN 238 (Sh 1) — 'Drill chuck mounting arrangements, taper arbors' issued by DIN, Deutsches Institut für Normung.

This standard, which forms Part I, covers drill chuck taper arbors having 'taper shanks' only. It is proposed to prepare standards for 'threaded shanks' and 'straight shanks' taper arbors separately which will form Part II and Part III of this standard respectively.

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